

DT01 Rec'd PCT/PTO 15 OCT 2004

Amendments to the Claims

- 1) (Currently Amended) A method of producing a vatable organic pigment ~~which comprises~~ comprising the steps of vatting an aqueous or aqueous-organic suspension of a coarsely crystalline crude pigment and reoxidizing ~~it the aqueous or aqueous-organic suspension of a coarsely crystalline crude pigment, wherein at least one of the steps of vatting and reoxidizing further comprises milling the aqueous or aqueous-organic suspension of a coarsely crystalline crude pigment, the pigment suspension being milled during vatting and/or oxidation by means of~~ with a stirred ball mill ~~which is operated with a power density of more than 1.0 kW per liter of milling space and with a peripheral stirrer speed of more than 12 m/s, under the action of grinding media with a diameter of less than or equal to 0.9 mm.~~

- 2) (Currently Amended) The method as claimed in claim 1, wherein the ~~vatable organic pigments are~~ coarsely crystalline pigment is selected from the group consisting of indanthrone, anthanthrone, thioindigo, perinone ~~or and~~ perylene pigments.

- 3) (Currently Amended) The method as claimed in claim 1 ~~or 2~~, wherein the coarsely crystalline vatable organic pigment is C.I. Pigment Blue 60, 66, C.I. Pigment Red 88, 168, 123, 149, 178, 179, 181, 189, 194, C.I. Vat Red 14, 41, C.I. Pigment Orange 43, C.I. Pigment Violet 29, C.I. Pigment Black 31 or 32, ~~or a mixture thereof or a mixed crystal thereof.~~

- 4) (Currently Amended) The method as claimed in ~~at least one of claims 1 to 3~~ claim 1, wherein the vatting ~~takes place~~ step occurs with sodium dithionite or potassium dithionite.

- 5) (Currently Amended) The method as claimed in ~~at least one of claims 1 to 4~~claim 1, wherein the pigment concentration in the suspension is from 2.5% to 40% by weight, based on the total weight of the suspension.
- 6) (Currently Amended) The method as claimed in ~~at least one of claims 1 to 5~~claim 1, wherein the milling duration is between 3 and 60 minutes.
- 7) (Currently Amended) The method as claimed in ~~at least one of claims 1 to 6~~claim 1, wherein vatting, oxidation and milling are conducted at a temperature between 0 and 100°C.
- 8) (Currently Amended) The method as claimed in ~~at least one of claims 1 to 7~~claim 1, wherein the suspension comprises water or a mixture of C₁-C₆ alcohols, N-methylpyrrolidone, toluene and/or nitrobenzene with water.
- 9) (Currently Amended) The method as claimed in ~~at least one of claims 1 to 8, wherein auxiliaries~~claim 1, wherein at least one of the vatting and reoxidizing steps further comprises adding at least one auxiliary selected from the group consisting of surfactants, pigmentary and nonpigmentary dispersants, fillers, standardizers, resins, waxes, defoamers, antidust agents, extenders, shading colorants, preservatives, drying retardants, rheology control additives, wetting agents, antioxidants, UV absorbers, light stabilizers ~~or and a combination thereof are used~~.
- 10) (Currently Amended) The method as claimed in ~~at least one of claims 1 to 9~~claim 1, wherein milling occurs during at least the vatting step and wherein the leuco compound formed during ~~vatting~~the vatting step is milled in the form of its salt or in the form of its acid.
- 11) (New) A vatable organic pigment made in accordance with the method of claim 1.

12) (New) A high molecular mass organic material comprising a vatable organic pigment as claimed in claim 11.

13) (New) The high molecular mass organic material as claimed in claim 12, wherein the high molecular mass organic material is selected from the group consisting of plastics, resins, varnishes, paints, electrophotographic toners, electrophotographic developers, drawing inks, printing inks and writing inks.